

GEOCON2026

NATIONAL CONFERENCE ON GEOSCIENCE AND CLIMATE CHANGE FOR SUSTAINABLE ENVIRONMENT

List of technical session (Oral Presentation)

Day 1 technical session list (13th March 2026)			
Session 1	Themes :Crustal Evolution and Deep Earth Processes / Energy, Environment and Sustainable Development		
S.no.	Code	Title & Authors	Timing
Keynote Speaker			14:30:00-14:50:00
1	GEOCON20260074	Crustal evolution across the Archean-Proterozoic transition: Insights from K-rich Dongargarh granite, Bastar craton, central India [Sunil Kumar Khare]	14:50:00-15:00:00
2	GEOCON20260069	Crustal assimilation and Magma genesis in the Back-Arc region, Andaman Sea: A Geochemical Perspective. [Sachin Kumar Tripathi, Archisman Dhar, Andrew Carter, Resmi Sathikumar, Biswajit Ghosh]	15:00:00-15:10:00
2	GEOCON20260055	Deep crustal magma mush processes: Constraints on cumulate formation and melt extraction at the subvolcanic level . [Shailendra Pundir, Vikas Adlakha, Saurabh Singhal, Parikshita Pradhan, Gurusurthy G. Puttojirao]	15:10:00-15:20:00

3	GEOCON20260037	Arc-Related Noritic Gabbro Cumulates Derived from a Subduction-Metasomatized Lithospheric Mantle, Chotanagpur Granite Gneiss Complex, Eastern India. [Priyanka Negi, Ashima Saikia, Salim Akhtar, Mansoor Ahmad]	15:20:00-15:30:00
4	GEOCON2026TH010021	Plume-related alkaline magmatism during Gondwana breakup: Evidence from the Early Cretaceous Jashora Igneous Complex, NE India. [Haobam Ananbala Devi, Ashima Saikia, Eyozele Kiso, Ivan Belousov]	15:30:00-15:40:00
5	GEOCON2026TH010019	Petrochemistry and U-Pb zircon geochronology of granitic gneisses from the Karagwe-Ankole Belt (Gakara region, Burundi): implications for petrogenesis and crustal evolution [Dieudonné Nivyayo , Ashima Saikia, Ivan Belousov , Seconde Ntiharirizwa]	15:40:00-15:50:00
6	GEOCON20260073	Estimating Ecological Thermal Sensitivity Zones of the Brahmaputra River Basin. [Seema Rani]	15:50:00-16:00:00
	High Tea		16:00:00-16:20:00
Session 2	Themes :Crustal Evolution and Deep Earth Processes / Energy, Environment and Sustainable Development		
S.no.	Code	Title & Authors	Timing
Keynote Speaker			16:20:00-16:40:00

1	GEOCON20260051	Prediction and Assessment of Soil Carbon Sequestration in Silvipasture Land Situated in different Agro-climatic zones of Uttar Pradesh to Mitigate the Climate Change [Pramod Kumar Singh, Ananya Pandey, Gyaneshwar Singh, Shalini G Pratap, Rajan Prasad]	16:40:00-16:50:00
2	GEOCON20260039	Understanding the Glacier Dynamics in North-Western Himalaya: Insights from Hamtah Glacier, Himachal Pradesh . [Rahul Kumar Chaurasia, Nganaomi Khangrah , Shashikant Kumar , Saurabh Kumar Rastogi, Rakesh Mishra , Ajai Kumar]	16:50:00-17:00:00
3	GEOCON2026TH100010	Pore Structure and Fractal Characteristics of Eocene Kopili Formation Shales: Implications for Shale Gas Storage and CO2 Sequestration. [Alok Kumar Singh, Gyan Prakash Tripathi]	17:00:00-17:10:00
4	GEOCON2026TH110008	Earth Observation–Based Assessment of Daytime and Night-time Land Surface Temperature Trends over South Bihar, Central Ganga Plain, India. [Prasfull Singh]	17:10:00-17:20:00
5	GEOCON20260120	MAPPING URBAN CLIMATE STRESS: INTEGRATED SATELLITE-BASED ANALYSIS OF HEAT AND AIR QUALITY IN LIMASSOL, CYPRUS. [Ravi Kumar Pandey, Udit Narayan Mall, Sujith Sourab Guntoju]	17:30:00-17:40:00
6	GEOCON20260165	Reconfiguring Energy Landscapes: Environmental Change and Sustainable Development in India [Anshumali Sharma, Aditya Kala]	17:40:00-17:50:00
7			
8			

Session 3			
Themes- Palaeomonsoon and Palaeoclimatology / Quaternary Sedimentation and River Science/ Natural Hazards and Water Resources			
S.no.	Code	Title & Authors	Timing
Keynote Speaker			14:30:00-14:50:00
1	GEOCON20260159	Representation of regional vegetation through pollen and non-pollen palynomorphs assemblages in a lacustrine environment of Central India. [Savita Awasthi, Anjali Trivedi, Dhruv Sen Singh]	14:50:00-15:00:00
2	GEOCON20260146	Interplay Between Westerlies and the Indian Summer Monsoon Since ~42 ka: A Multi-Proxy Palaeoclimate Reconstruction from the Kashmir Valley. [Shirish Verma]	15:00:00-15:10:00
3	GEOCON20260140	Tree-ring-based precipitation variability from Himachal Pradesh, western Himalaya and its association with rabi crop production [Ravi S. Maurya, Krishna G. Misra, Sadhana Vishwakarma, Sandhya Misra]	15:10:00-15:20:00
4	GEOCON20260127	Monsoon Dynamics and High-latitude Teleconnections shaped the Eastern Arabian Sea SSTs over the last 73 ka. [Harshit Singh, Arun Deo Singh]	15:20:00-15:30:00
5	GEOCON20260093	Planktic foraminiferal Response to the Monsoon and Productivity Variability in the western Arabian Sea during the last 145 ka. [Ashish Kharwar, A. K. Rai, Vishwesh Kumar Pathak]	15:30:00-15:40:00

6	GEOCON20260041	Purna River Basin, Central India: An excellent site for paleoclimatic and paleoenvironmental proxies for the Quaternary period. [Ajab Singh, Neloy Khare]	15:40:00-15:50:00
7	GEOCON20260111	Influence of Jointed Rock Mass Characteristics on Rock-Cut Slope Instability and Failure Mechanisms. [Prateek Sharma, Rajesh Singh, Rahul Kumar Verma, Shivendra Dwivedi, Neeraj Kumar]	15:50:00-16:00:00
	High Tea		16:00:00-16:20:00
Session 4	Themes- Palaeomonsoon and Palaeoclimatology / Quaternary Sedimentation and River Science/ Natural Hazards and Water Resources		
S.no.	Code	Title & Authors	Timing
Keynote Speaker			16:20:00-16:40:00
1	GEOCON20260023	Reconstructing Himalayan precipitation dynamics over the Last 400 Years Using Speleothems and Tree Rings. [Anoop Kumar Singh, Bahadur Singh Kotlia, Dharendra Kumar, Dhruv Sen Singh, Pawan Kumar Gautam]	16:40:00-16:50:00

2	GEOCON20260017	Tracing the history of Holocene climatic variation and human influence in the Island of Tierra del Fuego, southernmost South America. [Soumyashree Behera, Anoop Ambili, Nicolas Waldmann]	16:50:00-17:00:00
3	GEOCON20260134	Geochemistry of the northern Bay of Bengal sediments: implications on chemical weathering, provenance characteristics and sedimentary processes. [Aditi Bajpai, G P Gurumurthy, Anupam Sharma]	17:00:00-17:10:00
4	GEOCON20260024	Middle to Late Jurassic foraminiferal assemblages reveal paleoclimate and depositional dynamics in the Kutch Basin, India. [Ainul H. Ansari, Rajan Shukla, Abu Talib]	17:10:00-17:20:00
			17:30:00-17:40:00
			17:40:00-17:50:00

Day 2 technical session list (14th March 2026)

Session 5			
Themes- Natural Hazards and Water Resources			
S.no.	Code	Title & Authors	Timing
Keynote Chairperson			11:00:00-11:20:00
1	GEOCON20260144	Seismological Evidence for Monsoon induced earthquake swarm activity: Case study of the Deccan Volcanic Province of Western India. [Ajay Pratap Singh]	11:20:00-11:30:00
2	GEOCON20260129	A Systematic Review on Hydro-biogeochemical Alterations Driven by Reservoir Sedimentation and Their Implications on Benthic Ecology and Aquifers Contamination in Ganga River System. [Nikhil Choudhary]	11:30:00-11:40:00
3	GEOCON20260121	Soft sediment deformation structures from fluvial succession of Saryu (Ghaghara) River, Ayodhya, Uttar Pradesh: Implication on Liquefaction potential . [Shradha Shukla, Harsh Tewari, Rajesh Chaturvedi]	11:40:00-11:50:00
4	GEOCON2026TH070011	Spatio-temporal Monitoring of Glacial Lake Expansion and Snow Cover Variability in Chandra Basin, Western Himalaya using multi-decadal (1996-2024) Landsat Data. [Jayant Nath Tripathi, Roopa Maurya, Swarnim Maurya, Ommkar P. Behera]	11:50:00-12:00:00

5	GEOCON20260104	GLOF Susceptibility Assessment of the Proglacial Lake of Dalung Glacier, Suru Basin, Kargil District, UT Ladakh. [Sadanand Yadav, Zahid Majeed, Ajai Kumar]	12:00:00-12:10:00
6	GEOCON20260095	Emerging High-Altitude Hazard: Multi-Criteria GLOF Vulnerability Assessment of Syunti Yankti Proglacial Lake, Uttarakhand Himalaya. [Pawan Kumar, Pediredla Prasanth, Ashish Kumar Pal, Ajai Kumar, Rakesh Mishra]	12:10:00-12:20:00
7	GEOCON20260094	High-Altitude Lake Expansion and Emerging GLOF Threats to Kashang Integrated Hydroelectric Project: A Case Study of Kashang Lake. [Ashish Kumar Pal, Pawan Kumar, Ajai Kumar, Rakesh Mishra]	12:20:00-12:30:00
8	GEOCON20260092	Unveiling Groundwater Stress Dynamics in parts of Munger Division, Bihar through Geospatial insights and Field survey. [Suman Kumar, Prafull Singh]	12:30:00-12:40:00
9	GEOCON20260091	GLOF Susceptibility Assessment in Vishav-Rembiara Basin, Kulgam District, UT Jammu & Kashmir . [Kamal Kumar, Zahid Majeed, Ajai Kumar]	12:40:00-13:00:00
	Lunch		13:00:00-13:20:00

Session 6	Themes- Natural Hazards and Water Resources		
S.no.	Code	Title & Authors	Timing
Keynote Chairperson			13:20:00-13:40:00
1	GEOCON20260086	In-situ Study of Glaciers Retreat From 2015-2023 in Zaskar Himalaya: A Comparative Assessment of the Parkachik, Pensilungpa, and Durung-Drung Glaciers. [Pankaj kunmar Yadav, Manish Mehta, Vinit Kumar]	13:40:00-13:50:00
2	GEOCON20260085	Hydrogeological studies of Rohtas district of Bihar with special reference to groundwater quality in and around Amjhore Pyrite Mines. [Ritu Kumari , Dr. Abhay Prakash]	13:50:00-14:00:00
3	GEOCON20260070	Assessment of hydrogeochemistry and fluoride contamination in groundwater of Ganga-Yamuna interfluve in parts of Etawah District, India [Mohammad Irfan, Sarfaraz Ahmad, Farhat Nasim Siddiqui]	14:00:00-14:10:00
4	GEOCON20260059	Comparative Assessment of Water Quality Index in Dakpathar Barrage along the Yamuna River with other indices of other Himalayan Reservoirs. [Pooja Rawat, Dharendra Singh Bagri, Sudhir Kumar]	14:10:00-14:20:00
5	GEOCON20260033	Geohazard Mitigation in India: Planning and Policies [Upma Chaturvedi]	14:20:00-14:30:00
6	GEOCON20260028	Integrating Heuristic and Statistical Models for Landslide Susceptibility Mapping along the Garhwal Himalayas of Chamoli region of Uttarakhand, India [Shubham Singh, Nirlipta Priyadarshani Nayak]	14:30:00-14:40:00

7	GEOCON20260026	Palaeoflood perspectives on improved flood hazard assessment in the semi-arid alluvial plains of Gujarat, western India. [Alpa Sridhar, Sarmulhaq Parwej Musarrafa Shaikh, Deepak M Maurya]	14:40:00-14:50:00
8	GEOCON20260025	“Effect of Large-Scale Religious Gathering on Water Quality: A Case Study During Kumbh Mela at Prayagraj”. [SHASHI BHUSHAN YADAV]	14:50:00-15:00:00
9	GEOCON20260035	Landslide Susceptibility Mapping of Chamoli District, Uttarakhand (INDIA) [Rajesh Singh, Shivendra Dwivedi, Neeraj Kumar, Prateek Sharma , Pranshu Mishra]	15:00:00-15:10:00
10			15:10:00-15:20:00
11			15:20:00-15:30:00
		Valedictory	After 15:30:00
Session 7	Themes: Science of Natural Resources / Sedimentary Basin and Evolution of Life / Surface Process and Landscape Evolution / Evolution of Sedimentary Basin and Rock / Geoscience of Himalaya		
S.no.	Code	Title & Authors	Timing
Keynote Speaker			11:00:00-11:20:00
1	GEOCON2026TH000198	Foraminiferal signatures of methane release from marine gas hydrates: A comprehensive review [Kuppusamy Mohan]	11:20:00-11:30:00
2	GEOCON20260109	Textural Attributes and Quartz Microtextural Analysis of Khurar River Sediments, Khajuraho, Madhya Pradesh [Shyam Kanhaiya, B. P. Singh]	11:30:00-11:40:00

3	GEOCON20260141	A Google Earth Engine Workflow for Detecting Bauxite Signatures from EMIT Hyperspectral Data: Insights from the Jharkhand–Chhattisgarh Border Region [Tushar Pande, Swati Singh, Tapas Ranjan Martha, Iswar Chandra Das]	11:40:00-11:50:00
4	GEOCON2026TH070016	Weighted Overlay Analysis for Assessment of Groundwater Prospects in a Complex Terrain of Alluvial and Vindhyan Setup: A Case Study of Sonbhadra District of Uttar Pradesh [Shaurya Vikram Singh, Mamta Shukla , Pallavi Singh, Saurabh Chaturvedi, Shashwat Chaturvedi, Dr. Sudhakar Shukla]	11:50:00-12:00:00
5	GEOCON2026TH000203	Paleosols of the Ganaga Basin: A record of late Pleistocene provenance and climatic changes [Rohit Kumar, Abdul Hameed, Pankaj Srivastava]	12:00:00-12:10:00
6	GEOCON20260049	Provenance Of Lower Vindhyan Clastic Sedimentary Rocks Using Geochemical And Isotopic Tracers [Anju Yadav, Neeraj Awasthi]	12:10:00-12:20:00
7	GEOCON20260105	Effects Of Drainage Dynamics And Geomorphology On Heavy Mineral Distribution In Kirwil-Saraitola Areas, Central India [Mohammad Arkan]	12:20:00-12:30:00
8	GEOCON20260100	Slow Denudation and Episodic Sediment Export in a Small Himalayan Catchment: Evidence for Residence-Time Controlled Sediment Routing [Vimal Singh, Arkaprabha Sarkar]	12:30:00-12:40:00
9	GEOCON20260057	Morphotectonic Controls on Drainage Development of the Sai River Basin, Uttar Pradesh [Shashi Kant Yadav, Saurabh Singh]	12:40:00-13:00:00
	Lunch		13:00:00-13:20:00

Session 8			
Themes: Science of Natural Resources / Sedimentary Basin and Evolution of Life / Surface Process and Landscape Evolution / Evolution of Sedimentary Basin and Rock / Geoscience of Himalaya			
S.no.	Code	Title & Authors	Timing
Keynote Chairperson			13:20:00-13:40:00
1	GEOCON20260098	Micromorphological and geochemical study of Fe-Mn nodules from the Ganga plain alluvium and their implications [Arun Kumar, Jayant Kumar Tripathi]	13:40:00-13:50:00
2	GEOCON20260079	Experimental investigation of environmental effects on long term stability and damage mechanism of rock slopes [Digvijay Singh, Prakash Kumar Singh]	13:50:00-14:00:00
3	GEOCON20260067	Multi-Proxy Geochronology and Paleodenudation Rate Assessment in Alluvial Archives: Implications from the Ghaghara River, Himalayan [Mahadev Rawat, Pankaj Kumar, Rajveer Sharma, Pavitra V. Kumar, Manoj Kumar Jaiswal]	14:00:00-14:10:00
4	GEOCON20260056	Modern biotic and abiotic analogues from the surface soil of the Central Ganga Plain (CGP), India: Implications for the palaeoecological reconstructions [Swati Tripathi, Biswajeet Thakur, Anupam Sharma, Binita Phartiyal]	14:10:00-14:20:00
5	GEOCON20260108	Sedimentological Studies Of Denwa And Bagra Formations Of Satpura Gondwana Basin, Central India : Implications For Stratigraphic Reappraisal [Abdullah Khan]	14:20:00-14:30:00

6	GEOCON20260143	Lithium-Bearing Bauxite of the NW Himalaya: Mineralogical and Geochemical Insights from the Salal–Jangalali Belt [Pankaj Kumar Srivastava, Naiyar Imam, Abhilash .]	14:30:00-14:40:00
7	GEOCON20260088	Spatiotemporal variations in fluvial aggradation and bedrock incision in the Kali-Sarda River in Central Himalaya: Review and new data [Girish Chandra Kothyari, Girish Chandra Kothyari]	14:40:00-14:50:00
8	GEOCON20260040	Active Layer Characterization and monitoring of Permafrost in Schirmacher Oasis, East Antarctica, using an indigenous, low-cost instrument. [Yogesh Ray, Uday Sharma, Ariz Ahmad, Anand Kumar Singh, Shailendra Saini]	14:50:00-15:00:00
9			15:00:00-15:10:00
			15:10:00-15:20:00
			15:20:00-15:30:00
		Valedictory	15:30:00-15:40:00